

Claims

1. A fitting for fixing a toilet seat to a toilet pan, the fitting comprising a post for insertion into an aperture in the toilet pan, the outer portion of the post being formed
5 of a resilient material arranged to frictionally engage the inner circumferential surface of the aperture.
2. A fitting according to claim 1, wherein the outer portion of the post is formed of material having a Shore hardness in the range from 20 A to 70A.
10
3. A fitting according to claim 2, wherein the outer portion of the post is formed of material having a Shore hardness of at least 30 A.
4. A fitting according to claim 2 or 3, wherein the outer portion of the post is
15 formed of material having a Shore hardness of at most 50A.
5. A fitting according to any one of the preceding claims, wherein the outer portion of the post extends over a distance of at least 12mm.
- 20 6. A fitting according to claim 5, wherein the outer portion of the post extends over a distance of at least 18mm.
7. A fitting according to any one of the preceding claims, wherein the outer portion of the post comprises a plurality of engagement members protruding
25 sideways relative to the direction of insertion into the aperture in the toilet pan.
8. A fitting according to claim 7, wherein the plurality of engagement members consist of at least three engagement members spaced along the post.
- 30 9. A fitting according to claim 8, wherein the engagement members are spaced

-10-

over a distance of at least 12mm.

10. A fitting according to claim 8, wherein the engagement members are spaced over a distance of at least 18mm.

5

11. A fitting according to any one of claims 7 to 10, wherein adjacent engagement members have a pitch of at most 10mm.

12. A fitting according to any one of claims 7 to 11, wherein the engagement members are arranged to provide a greater frictional force against movement in a direction opposite to the direction of insertion than against movement in the direction of insertion.

10

13. A fitting according to any one of claims 7 to 12, wherein the engagement members have a front surface which is inclined rearwardly.

15

14. A fitting according to any one of claims 7 to 13, wherein the engagement members have an outer surface which extends parallel to the direction of insertion for frictionally engaging the inner circumferential surface of the aperture.

20

15. A fitting according to any one of claims 7 to 14, wherein the engagement members have a thickness at their outer edge in the direction of insertion of at least 1mm.

16. A fitting according to any one of claims 7 to 15, wherein post comprises a central rod and the engagement members protrude outwardly from the rod.

25

17. A fitting according to claim 16, wherein the rod is made of a material which is more rigid than the engagement members.

30

-11-

18. A fitting according to claim 16 or 17, wherein the rod is made of polypropylene.
19. A fitting according to any one of claims 7 to 18, wherein the engagement
5 members extend around the post.
20. A fitting according to claim 19, wherein the engagement members extend continuously around the post.
- 10 21. A fitting according to any one of the preceding claims, wherein the outer portion of the post is formed from a thermoplastic elastomer.
22. A fitting according to any one of the preceding claims, wherein the outer
15 diameter of the post is at least 15mm.
23. A fitting according to any one of the preceding claims, further comprising a head from which the post extends, the head extending further than the post sideways relative to the direction of insertion of the post for engaging the toilet pan around the aperture.
- 20 24. A fitting according to claim 23, wherein the head has a resilient sucker facing the direction of insertion for engaging the surface of the toilet pan in which the aperture is formed.
- 25 25. A fitting according to any one of the preceding claims, further comprising a hinge portion for pivotally coupling the fixing to an annular seat member of a toilet seat.
- 30 26. A toilet seat comprising an annular seat member pivotally coupled to a pair of toilet seat fixings each in accordance with any one of the preceding claims.

-12-

27. A toilet seat according to claim 26, in combination with a said toilet pan having a pair of said apertures.